

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A multiple core exchanger of thermal energy, through which a medium passes to exchange thermal energy with fluid flowing through channels of one or more of the cores of the multiple core exchanger, the multiple core exchanger comprising:

a first core having a plurality of first channels through which a first fluid flows and a first serpentine fin disposed between at least some of the first channels to facilitate an exchange of thermal energy between the first fluid and the medium;

a second core in thermal communication with the first core, the second core having a plurality of second channels through which a second fluid flows and a second serpentine fin disposed between at least some of the second channels to facilitate an exchange of thermal energy between the second fluid and the medium;

the second fin being integrally formed with the first fin ~~using the tool of claim 20~~ so that the second fin has a shape which complements that of the first fin; and

a plurality of thermal breaks, each comprising a slit with displaced opposing edges so that the medium may pass therebetween, the breaks having a length exceeding one convolution, the slit being that is cut without the removal of material by teeth in intermeshing forming rolls from the serpentine fins and louvers in one pass through the forming rolls.

2-3. (Canceled)

4. (Original) The multiple core exchanger of thermal energy of claim 1, wherein the first and second cores respectively serve as a condenser and a radiator;

the first fin has a width (L_1);

the second fin has a width (L_2); and

L_1 is less than or equal to L_2 .

5. (Original) The multiple core exchanger of thermal energy of claim 1, wherein the first and second cores respectively serve as a condenser and a radiator; the first fin has a width (L_1); the second fin has a width (L_2); and L_1 is greater than L_2 .

6. (Original) The multiple core exchanger of thermal energy of claim 1, wherein the first core and the second core are selected from one or more of the group consisting of an oil cooler, a transmission cooler, a radiator, a condenser, a charge air cooler, an evaporator, a heater core, and combinations thereof.

7-12. (Canceled)

13. (Previously Presented) The multiple core exchanger of thermal energy of claim 1, further comprising louvers provided in a core selected from the group consisting of the first core, the second core, and a combination thereof wherein at least some of the louvers are situated at least partially across the elongated strip, opposing arrays being separated from each other by the thermal break.

14. (Previously Presented) The multiple core exchanger of thermal energy of claim 13 wherein the louvers are located within only one of the cores.

15. (Currently Amended) A multiple core heat exchanger through which a cooling medium passes comprising:

a first heat exchanger core having a plurality of first channels through which a first fluid flows and a first fin disposed between adjacent first channels to facilitate heat exchange between the first fluid and the cooling medium, the first fin having a corrugated shape including first upper folds, first lower folds, a first wall extending between one of the first upper folds and one of the first lower folds, and a first array of louvers extending from the first wall;

a second heat exchanger core disposed downstream of the first heat exchanger core, the second heat exchanger core having a plurality of second channels through which a second fluid flows and a second fin disposed between adjacent second channels to facilitate heat exchange between the second fluid and the cooling medium, the second channels extending substantially parallel with the first channels, the second fin being integrally formed with the first fin so that the second fin also has a corrugated shape with second upper folds, second lower folds and a second wall which connects one of the second upper folds and one of the second lower folds, and a second array of louvers extending from the second wall; and

a thermal break comprising a slit with displaced opposing edges, so that the medium may pass therebetween, the break having a length exceeding one convolution formed without removal of material between the first and second upper and lower folds, and the first and second walls, thereby inhibiting the flow of heat energy across the first and second fins.

16. (Previously Presented) The multiple core exchanger of thermal energy of claim 1 wherein the serpentine fins include walls that are connected by bend radii.

17. (Canceled)

18. (Previously Presented) The multiple core exchanger of thermal energy of claim 16 wherein the slits have a non-uniform length.

19-26. (Cancelled)